

Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 11 (currently amended): A method of producing high density arrays of target substances comprising sectioning a bundle of target-strands that has been stabilized by embedding the bundle in a [material] matrix;

where the target-strands comprise the target substances;

where the location of each target substance within the bundle is noted in a database;

and,

where the sectioning results in a high density array.

Claim 12 (original): The method of claim 11, where the sectioning is performed with a cutting device selected from the group consisting of a microtome, laser, saw, and hot wire.

Claim 13 (previously presented): The method of claim 11, where the bundle sectioned comprises a target-strand selected from the group consisting of a cast rod of target substance, a target substance absorbed onto a glass fiber, a target substance absorbed onto a silk thread, a target substance attached to a polymer fiber, a target substance embedded in a porous rod, a target substance coated on a metal wire, a target substance contained within a matrix of gelatin, a line of a target substance drawn on a glass slide, a line of a target substance drawn on a membrane, and a target substance attached to the inside of a tube.

Claim 14 (original): The method of claim 11, where at least one of the target substances comprising the sectioned bundle of target-strands is selected from the group consisting of DNA, RNA, peptides, proteins, glycoproteins, lipoproteins, carbohydrates, lipids and immunoglobulins.

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Amendment to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 11 (previously presented): A method of producing high density arrays of target substances comprising sectioning a bundle of target-strands that has been stabilized by embedding the bundle in a matrix;

where the target-strands comprise the target substances;

where the location of each target substance within the bundle is noted in a database;

and,

where the sectioning results in a high density array.

Claim 12 (previously presented): The method of claim 11, where the sectioning is performed with a cutting device selected from the group consisting of a microtome, laser, saw, and hot wire.

Claim 13 (previously presented): The method of claim 11, where the bundle sectioned comprises a target-strand selected from the group consisting of a cast rod of target substance, a target substance absorbed onto a glass fiber, a target substance absorbed onto a silk thread, a target substance attached to a polymer fiber, a target substance embedded in a porous rod, a target substance coated on a metal wire, a target substance contained within a matrix of gelatin, a line of a target substance drawn on a glass slide, a line of a target substance drawn on a membrane, and a target substance attached to the inside of a tube.

Claim 14 (previously presented): The method of claim 11, where at least one of the target substances comprising the sectioned bundle of target-strands is selected from the group consisting of DNA, RNA, peptides, proteins, glycoproteins, lipoproteins, carbohydrates, lipids and immunoglobulins.